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RELIABILITY PREDICTION

Model : DR-45 Data:2001-01-09

Style	**Part Type**	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	9	0.003700	10	0.333000	12.144
9.1	Resistor-Film, Chip (RM)	10	0.003700	10	0.370000	13.493
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	14.587
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.511
10.1	Capacitor-Metal, Plastic (CH)	3	0.000510	10	0.015300	0.558
10.1	Capacitor-Ceramic(Gen.) (CK)	7	0.001700	10	0.119000	4.340
10.1	Capacitor-Ceramic chip (CDR)	8	0.003500	10	0.280000	10.211
10.1	Capacitor-Aluminum Dry (CE)	8	0.001300	10	0.104000	3.793
6.1	Diode-Switching	5	0.000940	8	0.037600	1.371
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	13.420
6.1	Diode-Power Rectifier / Schottky Power	4	0.002800	8	0.089600	3.268
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	1	0.003300	8	0.026400	0.963
6.1	Diode-Transient Suppressor/Varistor	1	0.002900	8	0.023200	0.846
6.11	OPTO-isolator	1	0.027000	8	0.216000	7.877
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.137
5.1	Linear Microcircuits	3	0.009500	10	0.285000	10.393
11.1	Transformer Switching	1	0.000610	3	0.001830	0.067
11.2	Coil Fixed inductor or choke	2	0.000032	3	0.000192	0.007
17.1	Single Connections-Reflow solder	161	0.000069	1	0.011109	0.405
17.1	Fuses Clip-Clip Termination	1	0.000120	1	0.000120	0.004
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	1.605
Total Failure rate:					2.742111	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 364682.54 **hrs**

Approved by: _____ . Compiled by: _____ .